

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 –24 (Canceled).

25. (Currently Amended) An automatic urine disposal device comprising a urine receptacle having

an outer sheet having a substantially rectangular shape and having a U-shaped cross-section, having a width at the middle portion in the longitudinal direction being narrow, so that it is shaped like an hourglass, and having a gather provided along its periphery, formed of a liquid-impermeable and non-breathable thin sheet made of soft flexible material, an inner surface of said outer sheet being water-repellent finished;

a urine absorbent material accommodated in said outer sheet;

a top sheet formed as a hard breathable and liquid-permeable non-woven fabric, covering a top surface of said urine absorbent material, a surface of said top sheet in contact with a wearer's urinating part and surrounding skin being a mesh-one sheet; and

a urine drainage port provided on a bottom surface of said outer sheet;

a ~~selected-sealed~~ urine tank;

a first urine drainage tube, one end of which is connected to said urine drainage port;

a second urine drainage tube made of soft flexible materials and connected to the other end of said first urine drainage tube through a one-touch joint made of a soft material ~~to-for~~ discharging urine to said urine tank;

a vacuum pump for decreasing air pressure in said urine tank; and

a urine sensor provided along said first urine drainage tube, which electrically turns on in responsive-response to detecting a urination in the vicinity of said urine drainage port, and supplies a urine detection signal that controls said vacuum pump;

wherein when said urine sensor detects wearer's urination, the urine detection signal initiates said vacuum pump to contact said urine absorbent material, thereby said urine is discharged from said urine absorbent material through said first urine drainage tube, said one-touch joint and said second urine drainage tube to said urine tank.

26-27. (Canceled).

28. (Currently Amended) An automatic urine disposal device comprising a urine receptacle having

an outer sheet having a substantially rectangular shape and having a U-shaped cross-section, having a width at the middle portion in the longitudinal direction being narrow, so that it is shaped like an hourglass, and having a gather provided along its periphery, formed of a liquid-impermeable and non-breathable thin sheet made of soft flexible materials and accommodating a urine absorbent material for storing urine;

a top sheet formed as a liquid-permeable non-woven fabric, covering a top surface of said urine absorbent material and, with said outer sheet, keeping said urine absorbent material highly airtight, and

a urine drainage port

a sealed urine tank;

a urine drainage tube for discharging urine from said urine absorbent material through said urine drainage port to said urine tank, and made of soft flexible materials;

a vacuum pump for decreasing air pressure in said urine tank; and

a urine sensor provided along said urine drainage tube and electrically conductive in responsive-response to detecting a urination in the vicinity of said urine drainage port,

wherein

urine is absorbed into said urine absorbent material through a hole on said top sheet upon wearer's urination,

said urine sensor detects wearer's urination and initiates said vacuum pump, and

said urine is discharged from said urine absorbent material through said urine tube to said urine tank.

29. (New) An automatic urine disposal device of claim 25, wherein the capacity of said urine tank ranges from 200 cm³ to 1000 cm³.

30. (New) An automatic urine disposal device of claim 25, wherein said urine absorbent material is mm thick and is designed to absorb approximately 500 cm³ of urine.